

PATENT OF INVENTION

INSTITUT FRANCAIS DU PETROLE
FINA RESEARCH S.A.

METHOD AND FLUID FOR CONTROLLING THE SATURATION OF A
FORMATION CLOSE TO A WELL

Inventors: Annie Audibert, Jean-François Argillier, Daniel Longeron,
Carine Dewattines, and Michel Janssen

ABSTRACT

The present invention relates to a method and a fluid for drilling or intervening in a well passing through a porous, permeable formation, wherein a water-based well fluid is circulating in said well. In this method, there is added to the fluid not only the conventional ingredients for such a fluid but also a maximum of 10 wt.% of a composition obtained from a grease or oil and an alcohol, with the chain lengths of the acid and alcohol parts being chosen such that the ester thus obtained has sufficient dispersion in water, compatibility with said ingredients, does not form an emulsion with the reservoir oil, and adsorbs sufficiently on the porous formation.

~~Figure 1 to be published~~